

**COMBINED DECLARATION AND POWER OF ATTORNEY
IN ORIGINAL APPLICATION**

Attorney Docket No.
Ad-356J

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to my name; that

We verily believe that we are the original, first and sole inventors (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention entitled *Advanced Encryption Standard (AES) Engine With Real Time S-Box Generation* described and claimed in the attached specification, that we understand the content of the attached specification, including the claims, that we do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by us or our legal representatives or assigns more than twelve months prior to this application, that we acknowledge our duty to disclose information of which we are aware which is known to be material to patentability in accordance with 37 CFR 1.56, and that we have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows: **None**.

We hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

| | | |
|--------------------------------------|-----------------------------------|---|
| Joseph S. Iandiorio, Reg. No. 23,095 | Jason D. Shanske, Reg. No. 43,915 | Thomas E. Thompkins, Jr., Reg. No. 47,136 |
| Kirk Teska, Reg. No. 36,291 | Roy J. Coleman, Reg. No. 48,863 | R. Stephen Rosenholm, Reg. No. 45,283 |
| David W. Porier, Reg. No. 43,007 | | |

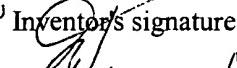
Address all telephone calls to Joseph S. Iandiorio or Kirk Teska at (781) 890-5678.

Address all correspondence to Iandiorio & Teska, 260 Bear Hill Road, Waltham, MA 02451-1018.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of 1st or sole inventor
Yosef Stein

Inventor's signature



Date

9/9/03

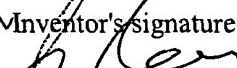
Residence
4 Turning Mill Road, Sharon, Massachusetts

Citizenship
Israel

Post office address
4 Turning Mill Road, Sharon, Massachusetts 02067

Full name of 2nd inventor
Joshua A. Kablotsky

Inventor's signature



Date

9/9/03

Residence
2191 Bay Road, Sharon, Massachusetts 02067

Citizenship
United States

Post office address

Full name of 3rd inventor

Inventor's signature

Date

Residence

Citizenship

Post office address